

**IN THE CLAIMS**

Please amend claims 1, 9, 10, 12, 13, 15, 16 and 25 as follows:

1           1. (Currently Amended) A field emission display, comprising:  
2           a first substrate;  
3           an electron emission assembly arranged on said first substrate;  
4           a second substrate arranged a predetermined distance from said first substrate, said  
5 first and second substrates forming a vacuum space;  
6           an illumination assembly arranged on said second substrate, said illumination  
7 assembly being illuminated by electrons emitted from said electron emission assembly;  
8           and  
9           a mesh grid arranged above said electron emission assembly, the mesh grid  
10 including an effective screen portion having a plurality of beam passage holes arranged in  
11 a predetermined pattern and having an inactive portion absent any beam passage holes.

1           2. (Original) The field emission display of claim 1, wherein said mesh grid  
2 comprises a metal.

1           3. (Original) The field emission display of claim 1, wherein said mesh grid  
2 comprises one of stainless steel, invar, and an iron-nickel alloy.

1           4. (Original) The field emission display of claim 3, wherein the iron-nickel alloy  
2 comprises 2.0 to 10.0 wt% of Cr.

1           5. (Original) The field emission display of claim 3, wherein the iron-nickel alloy  
2 comprises 40.0 to 44.0 wt% of Ni.

1           6. (Original) The field emission display of claim 3, wherein the iron-nickel alloy  
2 comprises 0.2 to 0.4 wt% of Mn, 0.7 wt% or less of C, and 0.3 wt% or less of Si.

1           7. (Original) The field emission display device of claim 1, wherein the thermal  
2 expansion coefficient of said mesh grid is in the range of  $9.0 \times 10^{-6}/^{\circ}\text{C}$  to  $10.0 \times 10^{-6}/^{\circ}\text{C}$ .

1           8. (Original) The field emission display device of claim 1, wherein electron  
2 emission assembly comprises a cathode and a gate and an electron emission source.

1           9. (Currently Amended) The field emission display device of claim [[9]] 8,  
2 wherein said gate is arranged on an upper side of said cathode.

1           10. (Currently Amended) The field emission display device of claim [[9]] 8,  
2 wherein the gate is arranged on a lower side of said cathode.

1           11. (Original)   The field emission display device of claim 1, wherein an  
2   intermediate material is arranged between said electron emission assembly and said mesh  
3   grid.

1           12. (Currently Amended)   The field emission display device of claim [[1]] 11,  
2   wherein said intermediate material comprises an insulating material.

1           13. (Currently Amended)   The field emission display device of claim [[12]] 11,  
2   wherein said intermediate material comprises a resistive material.

1           14. (Original)   The field emission display device of claim 1, further comprising a  
2   focusing electrode arranged on said mesh grid.

1           15. (Currently Amended)   A field emission display device, comprising:  
2   a first substrate;  
3   an electron emission assembly arranged on said first substrate;  
4   a second substrate arranged a predetermined distance from said first substrate, said  
5   first and second substrates forming a vacuum assembly;  
6   an illumination assembly arranged on said second substrate, said illumination  
7   assembly being illuminated by electrons emitted from said electron emission assembly;  
8   and

9 a mesh grid arranged above said electron emission assembly, the mesh grid  
10 including an effective screen portion having a plurality of beam passage holes arranged in  
11 a predetermined pattern and having an inactive portion absent any beam passage holes;  
12 wherein said mesh grid is bonded to said electron emission assembly by a frit.

1 16. (Currently Amended) A method of manufacturing a field emission display,  
2 the method comprising:

3 providing a first substrate;  
4 arranging an electron emission assembly on said first substrate;  
5 arranging a second substrate a predetermined distance from said first substrate to  
6 form a vacuum space with said first and second substrates;  
7 arranging an illumination assembly on said second substrate, and illuminating said  
8 illumination assembly with electrons emitted from said electron emission assembly; and  
9 arranging a mesh grid above said electron emission assembly, the mesh grid  
10 including an effective screen portion having a plurality of beam passage holes arranged in  
11 a predetermined pattern and having an inactive portion absent any beam passage holes.

1 17. (Original) The method of claim 16, further comprising forming said mesh  
2 grid of a metal.

1 18. (Original) The method of claim 16, further comprising forming said mesh

2 grid of one of stainless steel, invar, and an iron-nickel alloy.

1 19. (Original) The method of claim 16, further comprising forming a cathode and  
2 a gate and an electron emission source in said electron emission assembly.

1 20. (Original) The method of claim 19, further comprising forming said gate on  
2 one of an upper an lower side of said cathode.

1 21. (Original) The method of claim 16, further comprising forming an  
2 intermediate material between said electron emission assembly and said mesh grid.

1 22. (Original) The method of claim 21, further comprising forming said  
2 intermediate material of an insulating material.

1 23. (Original) The method of claim 21, further comprising forming said  
2 intermediate material of a resistive material.

1 24. (Original) The method of claim 16, further comprising forming a focusing  
2 electrode on said mesh grid.

1 25. (Currently Amended) A method of manufacturing a field emission display

device, the method comprising:

providing a first substrate;

arranging an electron emission assembly on said first substrate;

arranging a second substrate a predetermined distance from said first substrate to form a vacuum assembly with said first and second substrates;

arranging an illumination assembly on said second substrate and illuminating said illumination assembly with electrons emitted from said electron emission assembly;

arranging a mesh grid above said electron emission assembly the mesh grid including an effective screen portion having a plurality of beam passage holes arranged in a predetermined pattern and having an inactive portion absent any beam passage holes;

and

bonding said mesh grid to said electron emission assembly with a frit.